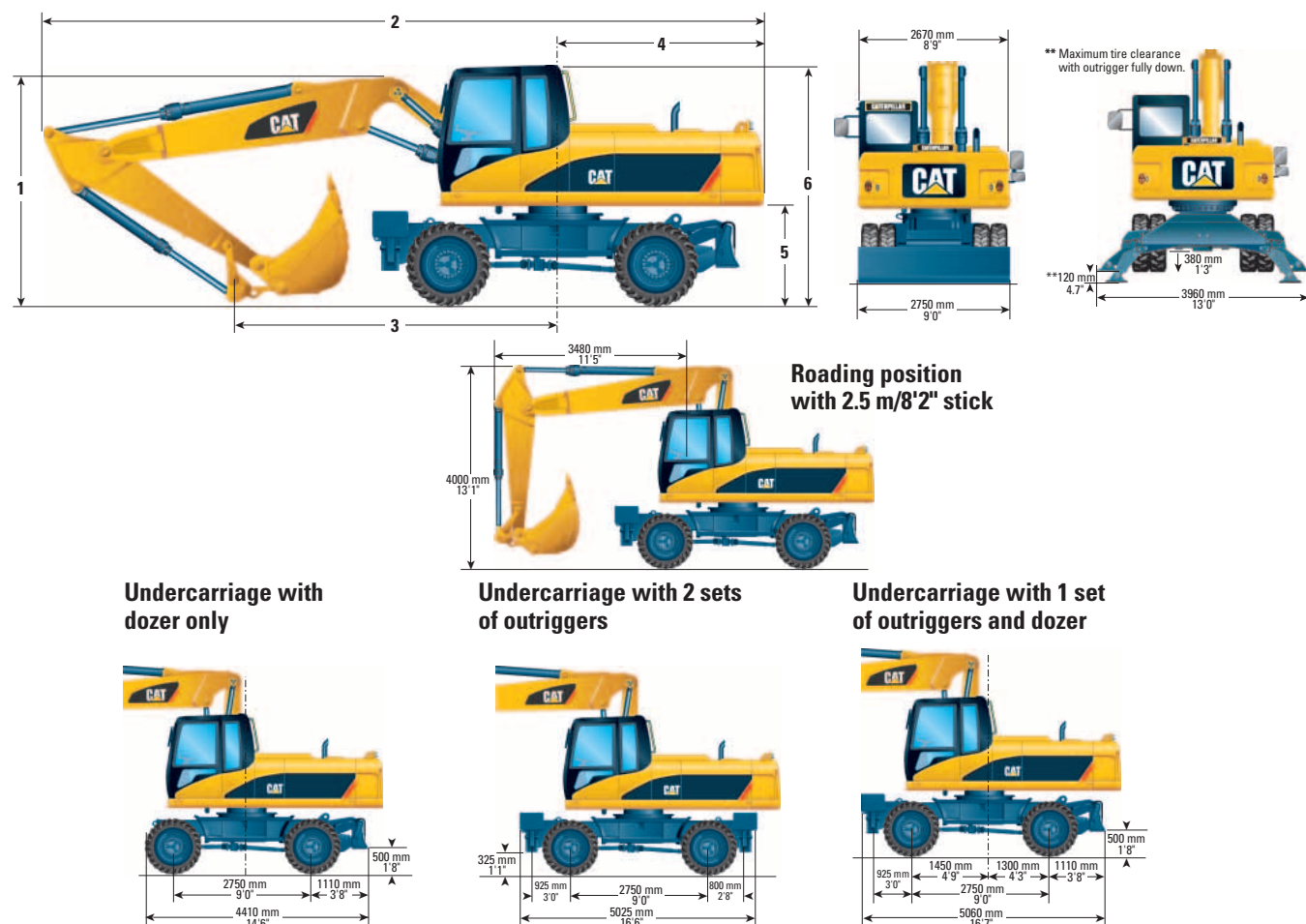


M322D Wheel Excavator

Dimensions

All dimensions are approximate.



Stick Options

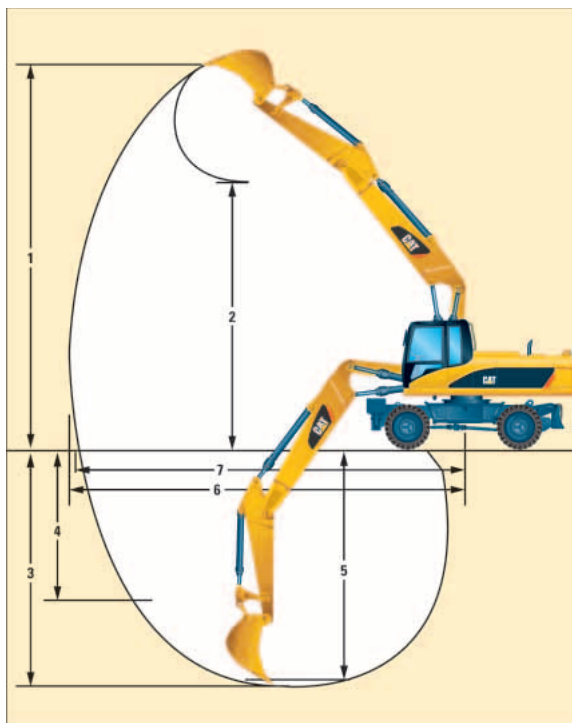
		2.2 m (7'3")		2.5 m (8'2")		2.9 m (9'6")	
		mm	ft/in	mm	ft/in	mm	ft/in
1	Shipping Height						
	VA Boom	3260	10'8"	3230	10'7"	3250	10'8"
	One-piece Boom	3300	10'10"	3250	10'8"	3290	10'10"
2	Shipping Length						
	VA Boom	9430	30'11"	9440	31'0"	9430	30'11"
	One-piece Boom	9650	31'8"	9640	31'8"	9650	31'8"
3	Support Point						
	VA Boom	4160	13'8"	3660	12'0"	3420	11'3"
	One-piece Boom	4240	13'11"	3720	12'2"	3440	11'3"
4	Tail Swing Radius						
	VA Boom and One-piece Boom	2750	9'0"	2750	9'0"	2750	9'0"
5	Counterweight Clearance						
	VA Boom and One-piece Boom	1310	4'4"	1310	4'4"	1310	4'4"
6	Cab Height						
	VA Boom and One-piece Boom	3200	10'6"	3200	10'6"	3200	10'6"

Note: All dimensions are approximate and cab height is without Falling Object Guards.

M322D Wheel Excavator

VA Boom and One-piece Boom Working Ranges

2.2 m (7'3"), 2.5 m (8'2"), 2.9 m (9'6") Sticks



	VA Boom			One-piece Boom		
Stick Length	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")	2.2 m (7'3")	2.5 m (8'2")	2.9 m (9'6")
1 Digging Height	10 560 mm (34'8")	10 620 mm (34'11")	10 930 mm (35'11")	9670 mm (31'9")	9540 mm (31'4")	9760 mm (32'1")
2 Dump Height	6930 mm (22'9")	7170 mm (23'7")	7500 mm (24'8")	6300 mm (20'8")	6230 mm (20'5")	6450 mm (21'2")
3 Digging Depth	5990 mm (19'8")	6280 mm (20'7")	6680 mm (21'11")	5770 mm (18'11")	6070 mm (19'11")	6470 mm (21'3")
4 Vertical Wall Digging Depth	4420 mm (14'6")	4450 mm (14'7")	4830 mm (15'10")	4480 mm (14'9")	4780 mm (15'8")	5160 mm (16'11")
5 Depth 2.5 m (8'2") Straight Clean-up	5780 mm (20'0")	6090 mm (20'0")	6510 mm (21'5")	5570 mm (18'3")	5880 mm (19'4")	6300 mm (20'8")
6 Reach	9770 mm (32'1")	10 000 mm (32'10")	10 390 mm (34'1")	9890 mm (32'6")	10 100 mm (33'2")	10 490 mm (34'5")
7 Reach at Ground Level	9590 mm (31'6")	9830 mm (32'3")	10 230 mm (33'7")	9720 mm (31'11")	9930 mm (32'7")	10 320 mm (33'11")
Bucket Forces (ISO 6015)	140 kN (31,472 lbf)	140 kN (31,472 lbf)	140 kN (31,472 lbf)	140 kN (31,472 lbf)	140 kN (31,472 lbf)	140 kN (31,472 lbf)
Stick Forces (ISO 6015)	123 kN (27,650 lbf)	114 kN (25,627 lbf)	104 kN (23,379 lbf)	123 kN (27,650 lbf)	114 kN (25,627 lbf)	104 kN (23,379 lbf)

Values 1-7 are calculated with bucket and quick coupler with a tip radius of 1712 mm (5'7").

Breakout force values are calculated with heavy lift on (no quick coupler) and a tip radius of 1511 mm (4'11").

M322D Wheel Excavator

Work Tools Matching Guide

When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.

			Variable adjustable boom 5440 mm (17'10")									One-piece boom 5050 mm (16'7")								
			Dozer lowered			2 sets of stabilizer lowered			Dozer and stabilizer lowered			Dozer lowered			2 sets of stabilizer lowered			Dozer and stabilizer lowered		
			2200 7'3"	2500 8'2"	2900 9'6"	2200 7'3"	2500 8'2"	2900 9'6"	2200 7'3"	2500 8'2"	2900 9'6"	2200 7'3"	2500 8'2"	2900 9'6"	2200 7'3"	2500 8'2"	2900 9'6"	2200 7'3"	2500 8'2"	2900 9'6"
Without quick coupler			(mm) Stick length (ft/in)																	
Hammers	H115 s, H120C s																			
	H130 s				×			×			×			×			×			×
Multiprocessors	MP15	CC			×						×		×	×						×
		CR, S			×						×									
		PP, PS		×	×			×			×	×	×	×			×			×
	MP20		×	×	×		×	×		×	×	×	×	×		×	×		×	×
360° rotatable Shears (boom mounted)	S325		×	×	×							×	×	×						
	S340		×	×	×							×	×	×						
Sorting & Demo Grapple	G315B	D, R			×						×									
	G320B	D	×	×	×	×	×	×	×	×	×	×	×	×		×	×		×	×
Compactors	CVP110																			
Orange Peel Grapples (4 tines)	GSH15	400 L (0.5 yd³)																		
		500 L (0.67 yd³)																		
		600 L (0.75 yd³)	×	×	×							×	×	×						
		800 L (1.00 yd³)	×	×	×							×	×	×						
	GSH20	600 L (0.75 yd³)	×	×	×							×	×	×						
		800 L (1.00 yd³)	×	×	×			×				×	×	×		×				×
		1000 L (1.25 yd³)	×	×	×			×				×	×	×		×				×

• Not all work tools are available in all areas.

360° Working Range

Over the front only

Maximum Material density 1800 kg/m³ (3,000 lb/yd³)

Maximum Material density 1200 kg/m³ (2,000 lb/yd³)

×

Not Compatible

M322D Wheel Excavator

Bucket Specifications

Contact your Caterpillar dealer for special bucket requirements.

Buckets without Quick Coupler

Bucket Type	Width		Weight		Capacity (SAE)		No. of Teeth
	mm	in	kg	lb	m ³	yd ³	
General Purpose	610	24	600	1324	0.57	0.74	3
	762	30	655	1447	0.77	1.01	4
	914	36	738	1630	0.95	1.24	5
	991	39	676	1493	0.86	1.12	4
	1067	42	797	1759	1.17	1.53	5
	1219	48	930	2052	1.39	1.82	6
	1295	51	791	1746	1.19	1.55	5
	1372	54	939	2072	1.57	2.05	6
	1499	59	861	1900	1.41	1.84	5
General Purpose Wide Tip	610	24	631	1393	0.57	0.74	3
	762	30	689	1522	0.77	1.01	4
	914	36	782	1727	0.95	1.24	5
	1067	42	848	1872	1.17	1.53	6
	1219	48	933	2059	1.39	1.82	7
	1372	54	1007	2223	1.57	2.05	8
Heavy Duty	610	24	694	1533	0.54	0.7	3
	762	30	689	1520	0.69	0.9	4
	914	36	790	1743	0.84	1.1	5
	1067	42	848	1872	1.07	1.4	5
	1219	48	943	2082	1.22	1.6	6
	1372	54	1107	2444	1.38	1.8	6
Heavy Duty Rock	610	24	695	1535	0.54	0.7	3
	762	30	778	1718	0.69	0.9	4
	914	36	858	1893	0.84	1.1	5
	1067	42	925	2043	1.07	1.4	5
	1245	49	800	1766	1.13	1.48	4
	1295	51	830	1832	1.18	1.54	5
	1397	55	867	1914	1.29	1.68	5
Heavy Duty Power	914	36	799	1764	0.84	1.1	5
	1067	42	842	1858	0.99	1.3	5
	1219	48	914	2017	1.15	1.5	6
Ditch Cleaning	1524	60	752	1660	0.99	1.3	0
	1829	72	843	1860	1.24	1.62	0
	2007	79	669	1477	0.70	0.91	0
Ditch Cleaning Tilt	1524	60	861	1900	0.86	1.12	0
	1829	72	951	2100	0.96	1.25	0
	2007	79	539	1190	0.57	0.75	0
	2311	91	560	1237	0.62	0.81	0

- All bucket recommendations are subject to material density.
- All data is subject to change without notice.
- Contact your Caterpillar dealer for bucket availability and specifications.